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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		<b>Complete if Known</b>	
Application Number		10/541,956	
Filing Date		July 8, 2005	
First Named Inventor		Wolfgang Clemens	
Group Art Unit		2811	
Examiner Name		Not assigned	
Attorney Docket Number		411000-137	
Sheet	1	of	1

U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA		US-5,892,244	04-06-1999	Tanaka et al.	
AA		US-6,344,662	02-05-2002	Dimitrakopoulos et al.	
		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner Initial*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
AA		JP 2869184 B	11-02-1999	Casio Computer Co. Ltd.	See attached IDS letter	
AA		JP 2869184 B (translation)	11-02-1999	Casio Computer Co. Ltd.		X

Examiner Signature	/Ajay Arora/	Date Considered	08/15/2006
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	Not assigned
Filing Date	Herewith
First Named Inventor	Wolfgang Clemens
Group Art Unit	Not assigned
Examiner Name	Not assigned
Attorney Docket Number	411000-137

Sheet	1	Of	
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**U.S. PATENT DOCUMENTS**

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AA		US-5,693,956	12-01997	Shi et al.	See search report
		US-			
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**FOREIGN PATENT DOCUMENTS**

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		DE 10046402	04-04-2002	Siemens AG	No English Translation	
		DE 10047171	04-10-2002	Siemens AG	No English Translation	
		DE 10120687	10-24-2002	Siemens AG	No English Translation	
		DE 19996527	02-08-2004	Giesecke & Devrient	No English Translation	
		DE 3330567	05-02-1985	Ges Ges Automation	No English Translation	

Examiner Signature	/Ajay Arora/	Date Considered	08/19/2006
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		First Named Inventor	Wolfgang Clemens		
		Group Art Unit	Not assigned		
		Examiner Name	Not assigned		
Sheet	1		2	Attorney Docket Number	411000-137

U.S. PATENT DOCUMENTS					
Examiner Initial <sup>a</sup>	Cite No. <sup>1</sup>	Document Number Number-Kid Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA	103	US-6,852,583	10/09/2003	Adolf Bernds et al.	See accompanying Disclosure Statement filed herewith
AA	102	US-6,903,958	03/21/2002	Adolf Bernds et al.	
AA	133	US-10/344,926	02/12/2004	Adolf Bernds et al.	
AA	99	US-10/344,951	02/12/2004	Adolf Bernds et al.	
AA	110	US-10/362,932	10/02/2003	Adolf Bernds et al.	
AA	106	US-10/380,113	09/25/2003	Adolf Bernds et al.	
AA	105	US-10/381,032	02/12/2004	Adolf Bernds et al.	
AA	108	US-10/433,959	04/01/2004	Adolf Bernds	
AA	111	US-10/433,961	04/01/2004	Wolfgang Clemens et al.	
AA	109	US-10/451,108	05/13/2004	Mark Giles et al.	
AA	104	US-10/467,636	11/04/2004	Adolf Bernds et al.	
AA	113	US-10/473,050	05/20/2004	Adolf Bernds et al.	
AA	101	US-10/479,234	12/30/2004	Adolf Bernds et al.	
AA	100	US-10/479,238	10/20/2004	Adolf Bernds et al.	
AA	115	US-10/492,922	03/03/2005	Erwann Bullet et al.	
AA	114	US-10/492,923	12/23/2004	Wolfgang Clemens et al.	
AA	119	US-10/498,610	N/A	Walter Fix et al.	
AA	120	US-10/508,640	N/A	Walter Fix et al.	
AA	121	US-10/508,737	N/A	Adolf Bernds et al.	
AA	122	US-10/517,750	N/A	Wolfgang Clemens et al.	
AA	123	US-10/523,216	N/A	Adolf Bernds et al.	
AA	124	US-10/523,487	N/A	Wolfgang Clemens et al.	
AA	127	US-10/524,646	N/A	Walter Fix et al.	
AA	128	US-10/533,756	N/A	Wolfgang Clemens et al.	

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		First Named Inventor	Wolfgang Clemens		
		Group Art Unit	Not assigned		
		Examiner Name	Not assigned		
Sheet	2		2	Attorney Docket Number	411000-137

AA	129	US-10/534,678	N/A	Wolfgang Clemens et al.	
AA	131	10/535,448	N/A	W. Clemens et al.	
AA	132	10/535,449	N/A	Walter Fix et al.	
AA	136	US-10/541,815	N/A	Axel Gerlt et al.	
AA	137	US-10/541,956	N/A	Wolfgang Clemens et al.	
AA	138	US10/541,957	N/A	Walter Fix et al.	
AA	139	US-10/543,561	N/A	Wolfgang Clemens et al.	
AA	140	US-10/542,678	N/A	Adolf Bernds et al.	
AA	141	US-10/542,679	N/A	Adolf Bernds et al.	
<hr/>					
Examiner Signature		/Ajay Arora/		Date Considered	08/19/2006

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				Group Art Unit	Not assigned
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Sheet	1	Of	11	Attorney Docket Number	411000-137

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AA		US-2002/0022284	02-21-2002	Heeger	
AA		US-2002/0053320	05-09-2002	Duthaler	
AA		US-2002/0056839	05-16-2002	Joo et al.	
AA		US-2002/0068392	06-06-2002	Lee et al.	
AA		US-2002/0170897	11-21-2002	Hall	
AA		US-2002/0018911	02-00-2002	Bernius et al.	
AA		US-2002/0195644	12-26-2002	Dodabalapur et al.	
AA		US-2002/025391	02-28-2002	Angelopoulos	
AA		US-2002/130042	09-19-2002	Moerman et al.	
AA		US-2003/0112576	06-19-2003	Brewer et al.	
AA		US-2003/059987	03-27-2003	Sirringhaus et al.	
AA		US-2004/0002176	0101-2004	Xu	
AA		US-2004/0013982	01-00-2004	Jacobson et al.	
AA		US-2004/0026689	02-00-2004	Bemds et al.	
AA		US-2004/0084670	05-06-2004	Tripsas et al.	
AA		US-2004/0211329	10-00-2004	Funahata et al.	
AA		US-3,512,052	12-12-1970	MacIver et al.	
AA		US-3,769,096	10-30-1973	Ashkin	
AA		US-3,955,098	05-04-1976	Kawamoto	
AA		US-4,302,648	11-24-1981	Sado et al.	
AA		US-4,442,019	04-19-1984	Marks	
AA		US-4,926,052	05-15-1990	Hatayama	
AA		US-4,865,197	09-12-1989	Craig	
AA		US-5,173,835	12-22-1992	Comett et al.	
AA		US-5,206,525	04-27-1993	Yamamoto et al.	
AA		US-5,259,926	11-09-1993	Kuwabara et al.	

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

## **Complete if Known**

Sheet	2	11	Application Number	10/541,956
			Filing Date	July 8, 2005
			First Named Inventor	Wolfgang Clemens
			Group Art Unit	Not assigned
			Examiner Name	Not assigned
			Attorney Docket Number	411000-137

AA		US-5,321,240	06-14-1994	Takihira	
AA		US-5,347,144	09-13-1994	Garnier et al.	
AA		US-5,395,504	03-07-1995	Saurer et al.	
AA		US-5,480,839	01-02-1996	Ezawa et al.	
AA		US-5,486,851	01-23-1996	Gehner et al.	
AA		US-5,502,396	03-26-1996	Desarzens	
AA		US-5,546,889	08-20-1999	Wakita et al.	
AA		US-5,569,879	10-29-1996	Gloton et al.	
AA		US-5,574,291	11-12-1996	Dodabalapur et al.	
AA		US-5,578,513	11-00-1998	Maegawa	
AA		US-5,580,794	12-03-1996	Allen	
AA		US-5,629,530	05-13-1997	Brown et al.	
AA		US-5,630,986	05-20-1997	Charlton et al.	
AA		US-5,652,645	07-29-1997	Jain	
AA		US-5,691,089	11-25-1997	Smayling	
AA		US-5,729,428	03-17-1998	Sakata et al.	
AA		US-5,854,139	12-29-1998	Kondo et al.	
AA		US-5,869,972	02-09-1999	Birch et al.	
AA		US-5,946,551	08-31-1999	Dimitrakopoulos	
AA		US-5,967,048	10-19-1999	Fromson et al.	
AA		US-5,970,318	10-19-1999	Choi et al.	
AA		US-5,973,598	10-26-1999	Belgel	
AA		US-5,997,817	12-07-1999	Crismore et al.	
AA		US-6,036,919	03-14-2000	Thym et al.	
AA		US-6,045,977	04-04-2000	Chandross et al.	
AA		US-6,060,338	05-09-2000	Tanaka et al.	
AA		US-6,083,104	07-04-2000	Choi Kel Fung	
AA		US-6,087,196	07-11-2000	Suttm et al.	
AA		US-6,133,835	10-17-2000	DeLeeuw et al.	
AA		US-6,207,472	03-27-2001	Calligari et al.	
AA		US-6,215,130	04-00-2001	Dodabalapur	
AA		US-6,251,513	06-26-2001	Rector et al.	

Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Sheet	3	11	Application Number	10/541,958
			Filing Date	July 8, 2005
			First Named Inventor	Wolfgang Clemens
			Group Art Unit	Not assigned
			Examiner Name	Not assigned
			Attorney Docket Number	411000-137

AA		US-6,284,562	09-00-2001	Batlogg et al.	
AA		US-6,300,141	10-09-2001	Segal et al.	
AA		US-6,321,571	11-27-2001	Themont et al.	
AA		US-6,322,736	11-00-2001	Bao	
AA		US-6,335,539	10-19-1999	Dimitrakopoulos et al.	
AA		US-6,340,822	01-22-2002	Brown et al.	
AA		US-6,403,396	08-11-2002	Gudesen et al.	
AA		US-6,429,450	08-08-2002	Mutsaers et al. et al.	
AA		US-6,517,955	02-00-2005	Jacobsen et al.	
AA		US-6,852,583	02-08-2005	Bernds et al.	
AA		US-6,903,958	06-07-2005	Bernds et al.	

**FOREIGN PATENT DOCUMENTS**

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		<del>DE 100 00 257</del>	<del>09-14-2000</del>	<del>IDM</del>		
		<del>DE 100 12 204 (title page only)</del>	<del>09-30-2001</del>	<del>Siemens</del>		
		<del>DE 100 33 112 (title page only)</del>	<del>01-24-2002</del>	<del>Siemens</del>		
		<del>DE 100 43 204</del>	<del>04-04-2002</del>	<del>Siemens</del>		
		<del>DE 100 50 550</del>	<del>05-29-2002</del>	<del>Interactive Biotech.</del>		
		<del>DE 100 64 207 (title page only)</del>	<del>06-27-2002</del>	<del>Siemens</del>		
		<del>DE 101 17 000</del>	<del>10-17-2002</del>	<del>Samsung-SDI Co.</del>		
		<del>DE 102 40 005</del>	<del>12-04-2002</del>	<del>Oerem-Opto-Semicond.</del>		
		<del>DE 100 10 000</del>	<del>11-10-1999</del>	<del>Deutsche Telekom</del>	No English Translation	
		<del>DE 193 32 312 (title page only)</del>	<del>05-20-1999</del>	<del>Nintendo Co.</del>		
		<del>DE 100 18 103</del>	<del>11-25-1999</del>	<del>Cambridge Display</del>		
		<del>DE 100 24 024 (title page only)</del>	<del>11-10-2000</del>	<del>Eichmann</del>		
		<del>DE 193 00 757</del>	<del>04-25-2004</del>	<del>Giesecke &amp; Devrient</del>		
		<del>DE 193 37 202</del>	<del>03-04-2004</del>	<del>Siemens</del>		
		<del>DE 424 30 32</del>	<del>00-30-1994</del>	<del>Deimler-Benz</del>		
		<del>DE 605 10 782 (title page only)</del>	<del>01-03-2001</del>	<del>News Datacom Ltd.</del>		
		<del>EP 0 428 520</del>	<del>12-10-1984</del>	<del>BASF</del>		

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Sheet	4		11	Attorney Docket Number	411000-137

AA		EP 0 268 370 A2	05-25-1988	Canon Kabushiki Kaisha		X
AA		EP 0 268 370 A3	05-25-1988	Canon Kabushiki Kaisha		X
AA		EP 0 350 179	01-10-1990	W & T Avery Ltd.		X
AA		EP 0 442 123	08-21-1991	Neste OY		X
AA		EP 0 460 242	12-11-1991	Nippon Petrochemicals		X
AA		EP 0 501 456 A2	09-02-1992	Sony		X
AA		EP 0 501 456 A3	09-02-1992	Sony		X
AA		EP 0 511 807	11-04-1992	GEC Avery Ltd.		X
AA		EP 0 528 662	02-24-1993	Kabushiki Kaisha Toshiba		X
AA		EP 0 615 256	09-23-1998	Koninklijke Philips		
AA		EP 0 685 985	12-06-1995	Hitachi Metals		X
AA		EP 0 716 458	06-12-1996	AT&T Corp.		X
AA		EP 0 785 578 A2	07-23-1997	AT & T Corp.		
AA		EP 0 785 578 A3	07-23-1997	AT & T Corp.		
AA		EP 0 962 984	12-08-1999	Lucent Technologies		X
AA		EP 0 968 182	12-22-1999	LG Electronics		X
		<del>EP 0 970 745</del>	<del>02-10-2000</del>	<del>Adolf Hing Maschinenbau</del>	No English Translation	
AA		EP 0 981 165	02-23-2000	Lucent Technologies		X
AA		EP 0 989 614 A2	03-29-2000	Sel Semiconductor		X
		<del>EP 1 048 043</del>	<del>11-03-2000</del>	<del>Miele &amp; Cie</del>	No English Translation	
		<del>EP 1 052 604</del>	<del>11-15-2000</del>	<del>Bokymat S.A.</del>	No English Translation	
AA		EP 1 065 725 A2	01-03-2001	Sel Semiconductor		X
AA		EP 1 065 725 A3	01-03-2001	Sel Semiconductor		X
AA		EP 1 083 775	03-14-2001	Seiko Epson		
AA		EP 1 102 335 A2	05-23-2001	Lucent Technologies		X
		<del>EP 1 103 910 (title page only)</del>	<del>05-08-2001</del>	<del>Infineon Technologies</del>	No English Translation	
AA		EP 1 104 035 A2	05-30-2001	Lucent Technologies		X
		<del>EP 1 134 604</del>	<del>09-10-2001</del>	<del>Infineon Technologies</del>	No English Translation	
		<del>EP 1 224 000 A1 (title page only)</del>	<del>07-24-2002</del>	<del>Sumitomo Heavy Ind.</del>	No English Translation	
AA		EP 1 237 207	09-04-2002	Fuji Photo Film Co.		X
AA		EP 1 318 084	06-11-2003	Nippon Sanso Corp.		
		<del>FR2798000</del>	<del>11-03-2000</del>	<del>Liger Rene</del>	No English Translation	
AA		GB 2 058 462	04-08-1981	Shin-Etsu Polymer Co.		X



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				Group Art Unit	Not assigned
				Examiner Name	Not assigned
Sheet	5		11	Attorney Docket Number	411000-137

AA		GB 723,598	02-09-1955	N V Phillips Gloeilampenfabrieken		X
		<del>GB 2004P09239 (not available)</del>				
		<del>GB 2004P29624 (not available)</del>				
AA		JP 01169942 (abstract)	07-05-1989	Hitachi Ltd.		X
AA		JP 05152560 (abstract)	08-18-1993	Sumitomo Chem Co.		
AA		JP 05259434	10-05-1993	Nisha Printing		X
AA		JP 05347422 (abstract)	12-27-1993	Fujitsu Ltd.		X
AA		JP 08197788 (abstract)	08-06-1995	Hitachi Koki		X
AA		JP 09083040	03-28-1997	Sharp Corp.		
AA		JP 09320760	12-12-1997	Matsushita Electric Ind.		
AA		JP 10026934	01-27-1998	Toshiba Chem. Corp.		
AA		JP 2001085272 (abstract)	03-30-2001	Matsushita Electric Ind.		X
AA		JP 362065477A	03-24-1987	Toshiba		X
AA		JP 54069392	06-04-1979	Sakamoto Mitsuru		
AA		JP 60117769 (abstract)	06-25-1985	Fujitsu Ltd.		
AA		JP 61001060 (abstract)	01-07-1986	Hitachi Koki		X
AA		JP 61167854	07-29-1986	Murata Mfg. Co. Ltd.		X
AA		WO 00/33063	06-08-2000	Moorfodge Biotech		X
AA		WO 00/36666	06-22-2000	E Ink Corp.		X
AA		WO 00/79617	12-28-2000	Cambridge University		X
AA		WO 01/03126	01-11-2001	Regents of U. of CA		X
AA		WO 01/06442	01-25-2001	Yip		X
AA		WO 01/08241	02-01-2001	E Ink Corporation		X
AA		WO 01/15233	03-01-2001	Koninklijke Philips		X
AA		WO 01/17029	03-08-2001	E Ink Corp.		X
AA		WO 01/17041	03-08-2001	E Ink Corp.		X
AA		WO 01/27998	04-19-2001	Koninklijke Philips		X
AA		WO 01/46987	06-28-2001	Plastic Logic Ltd.		
AA		WO 01/47044 A2	06-28-2001	Plastic Logic Limited		X
AA		WO 01/47044 A3	06-28-2001	Plastic Logic Limited		X
AA		WO 01/47045	06-28-2001	Plastic Logic		X
AA		WO 01/73109 A2	10-24-2001	Ivemess Medical		X
AA		WO 01/73109 A3	10-24-2001	Ivemess Medical		X
		<del>WO 02/06360</del>	<del>04-17-2002</del>	<del>Giersons AK</del>	No English Translation	

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## Complete if Known

Sheet	6	11	Attorney Docket Number	411000-137
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AA		WO 02/05361	01-17-2002	3M Innovative Prop.		X
		<del>WO 02/085557 A1</del>	<del>08-22-2002</del>	<del>Siemens</del>	No English Translation	
AA		WO 02/071139	09-12-2002	Acreo AB		X
AA		WO 02/071505	09-12-2002	Acreo AB		X
		<del>WO 02/076024</del>	<del>10-06-2002</del>	<del>Nishinbo Industries</del>	No English Translation	
AA		WO 02/091495	11-14-2002	Coatue Corp.		X
AA		WO 02/095805 A2	11-28-2002	Plastic Logic Limited		X
AA		WO 02/095805 A3	11-28-2002	Plastic Logic Limited		X
		<del>WO 02/099907</del>	<del>12-12-2002</del>	<del>Siemens</del>	No English Translation	
AA		WO 02/099908	12-12-2002	Siemens		
		<del>WO 02/15264</del>	<del>02-21-2002</del>	<del>Siemens AG</del>	No English Translation	
		<del>WO 02/18448</del>	<del>03-07-2002</del>	<del>Siemens</del>	No English Translation	
AA		WO 02/29912	04-11-2002	Cambridge University		X
AA		WO 02/43071	05-30-2002	Thin Film Electronics		X
		<del>WO 03/046022</del>	<del>06-06-2003</del>	<del>Infineon Technologies</del>	No English Translation	
AA		WO 03/067680	08-14-2003	Canon Kabushiki Kaisha		X
AA		WO 03/069552	08-21-2003	Rafsec Oy		X
		<del>WO 03/081071</del>	<del>10-02-2000</del>	<del>Siemens AG</del>	No English Translation	
AA		WO 03/095175	11-20-2003	ZBD Displays Ltd.		
		<del>WO 04/042837 A2</del>	<del>05-21-2004</del>	<del>Siemens</del>	No English Translation	
AA		WO 04/042837 A3	05-21-2004	Siemens		
		<del>WO 04/047444 A2</del>	<del>06-03-2004</del>	<del>Siemens</del>	No English Translation	
		<del>WO 04/047444 A3</del>	<del>06-03-2004</del>	<del>Siemens</del>	No English Translation	
		<del>WO 04/7194 A2</del>	<del>08-03-2004</del>	<del>Siemens</del>	No English Translation	
		<del>WO 04/7194 A3</del>	<del>08-03-2004</del>	<del>Siemens</del>	No English Translation	
		<del>WO 2004/082267</del>	<del>04-15-2004</del>	<del>Leonhard Kurz GmbH</del>	No English Translation	
AA		WO 2004/083859	09-30-2004	Platform Diagnostics		
AA		WO 93/16491	08-19-1993	Kopin Corp.		X
AA		WO 94/17556	08-04-1994	FCI-Fiberchem		X
AA		WO 95/06240	03-02-1995	Metrika Laboratories		X
AA		WO 95/31831 (title page only)	11-23-1995	Philips Electronics		X
AA		WO 96/02924	02-01-1996	Oryx Techn Corp.		X
AA		WO 96/19792	06-27-1996	Trustees of Princeton		
AA		WO 97/12349	04-03-1997	DeRivaz		X
AA		WO 97/18944	05-29-1997	Gov't of USA		X

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				Group Art Unit	Not assigned
				Examiner Name	Not assigned
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		<del>WO 88/48160</del>	<del>04-08-1988</del>	<del>Stoag Microtech</del>	No English Translation	
AA		WO 88/18186 (title page only)	04-30-1988	Erico Lightning		X
AA		WO 88/40930	09-17-1988	Precision Dynamics		X
AA		WO 99/07189	02-11-1999	Cambridge		X
AA		WO 99/10929 (title page only)	03-04-1999	Koninklijke Philips		X
AA		WO 99/10939	03-04-1999	Koninklijke Philips		X
AA		WO 99/21233	04-29-1999	Regents of U California		X
AA		WO 99/40631	08-12-1999	Opticom USA		X
		<del>WO 99/52374</del>	<del>10-21-1999</del>	<del>E Ink Corp.</del>	Reference not provided	
AA		WO 99/54936	10-28-1999	Cambridge Display		X
AA		WO 99/54936 Corrected Version	10-28-1999	Cambridge Display		
AA		WO 99/66540	12-23-1999	Opticom ASA		X

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				Attorney Docket Number	411000-137
Sheet	8	Of	11		

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initial	Cite No.	Reference	
AA		ASSADI A, et al., "Field-Effect Mobility of Poly (3-Hexylthiophene) Dept. of Physics and Measurement Technology, Received 3 March 1988; accepted for Publication 17 May 1988	X
AA		BAO, Z. et al., "High-Performance Plastic Transistors Fabricated by Printing Techniques", Chem. Mater Vol. 9, No. 6, 1997, pp 1299-1301.	X
AA		BRABEC, C.J. et al, "Photoinduced FT-IR spectroscopy and CW-photocurrent measurements of conjugated polymers and fullerenes blended into a conventional polymer matrix", Solar Energy Materials and Solar Cells, 2000 Elsevier Science V.V., pages 19-33.	X
AA		BRABEC, C.J. et al., "Photovoltaic properties of a conjugated polymer/methanofullerene composites embedded in a polystyrene matrix", Journal of Applied Physics, Vol 85, No. 9, 1999, pages 6866 - 6872.	X
AA		BRAUN D., et al, "Visible light emission from semiconducting polymer diodes", American Institute of Physics, Applied Physics Letters 58, May 6, 1991, pages 1982 - 1984.	X
AA		BROWN, A.R. et al., "Field-effect transistors made from solution-processed organic semiconductors", Elsevier Science, S.A., Synthetic Metals 88 (1997) pp. 37-55	X
AA		BROWN, A.R., "Logic Gates Made from Polymer Transistors and Their Use in Ring Oscillators", Science, Vol. 270, November 10, 1995, pp 972 - 974	X
AA		CHEN, Shiao-Shien et al., "Deep Submicrometer Double-Gate Fully-Depleted SOI PMOS Devices: A Concise Short-Channel Effect Threshold Voltage Model Using a Quasi-2D Approach", IEEE Transaction on Electron Devices, Vol. 43, No. 9, September 1996	X
AA		CHEN, X.L. et al., "Morphological and Transistor Studies of Organic Molecular Semiconductors with Anisotropic Electrical Characteristics", American Chemical Society, 2001, Chem. Mater. 2001, 13, 1341-1348.	X
No English Translation		<del>CLEMENS, W. et al., "Vom Organischen Transistor Zum Plastik Chip", Physik Journal, V. 2, 2000, pp. 81-86.</del>	
AA		COLLET J. et al., "LOW VOLTAGE, 30 NM CHANNEL LENGTH, ORGANIC TRANSISTORS WITH A SELF-ASSEMBLED MONOLAYER AS GATE INSULATING FILMS", APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, Bd 76, Nr. 14, 3. april 2000 (2000-04-03), Seiten 1941-1943, XP000950589, ISSN:0003-6951, das ganze Dokument	X
AA		CRONE, B. ET AL, "Large-scale complementary Integrated circuits based on Organic transistors", Nature, Vol. 403, Feb. 3, 2000, PP. 521 -	X
AA		DAI, L. et al, "Photochemical Generation of Conducting Patterns in Polybutadiene Films", Macromolecules, Vol. 29, No. 1, 1996, pages 282-287, XP 001042019, the whole document	X
AA		DAI, L. et al., "I <sub>2</sub> -Doping" of 1,4-Polydienes", Elsevier Science S.A., Synthetic Metals 69 (1995), pp 563-568.	

Substitute for form 1449A/PTO		<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		Application Number	10/541,956	
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Sheet	9	11	Attorney Docket Number	411000-137

AA		DAI, L. et al., "Conjugation of Polydienes by Oxidants Other Than Iodine", Elsevier Science S.A., Synthetic Metals 86 (1997) 1893-1894.	
AA		DE LEEUW D.M. et al., "Polymeric integrated circuits and light-emitting diodes", Electron Devices Meeting, 1997. Technical Digest, International, Washington, DC, USA 7-10 Dec. 1997, New York, NY, USA, IEEE, US 7 December 1997.	X
AA		DODABALAPUR, A. et al., "Organic smart pixels", American Institute of Physics, Applied Physics Letters, Vol. 73, No. 2, July 13, 1998, pp. 142 - 144.	X
AA		FICKER, J. et al., "Dynamic and Lifetime Measurements of Polymer OFETS and Integrated Plastic Circuits, " Proc. of SPIE, v. 466, 2001, pp. 95-102	X
AA		FIX, W. et al., "Fast Polymer Integrated Circuits Based on a Polyfluorene Derivative", ESSDERC 2002, 2002, pp. 527-529.	X
AA		FIX, W., et al., "Fast polymer integrated circuits", American Institute of Physics, Applied Physics Letters, Vol. 81, No. 89, August 2002, pp. 1735-1737.	X
No English Translation		<del>Fraunhofer Magazin- Polytronic Chips Von der Rolle, 4-2001, Pages 8-13</del>	
AA		GARNIER F et al., "Vertical Devices Architecture By Molding Of Organic-Based Thin Film Transistor", Applied Physics Letters, American Institute Of Physics. XP000784120, issn: 0003-6951 abbildung 2	X
AA		GARNIER et al., "Conjugated Polymers and Oligomers as Active Material For Electronic Devices", Synthetic Metals, Vol. 28, 1989	X
AA		GELINCK, G.H. et al., "High-Performance All-Polymer Integrated Circuits", Applied Physics Letters, v. 77, 2000, pp. 1487-1489.	X
AA		GOSAIN, D.P., "Excimer laser crystalized poly-Si TFT's on plastic substrates", Second International Symposium on Laser Precision Microfabrication, May 16-18, 2001, Singapore, Vol. 4426, pages 394 - 400.	X
AA		HALLS, J.J. M., et al., "Efficient photodiodes from Interpenetrating polymer networks", Nature, Vol. 376, August 10, 1995, pp. 498 - 500.	X
AA		HARSANYI G. ET AL, "Polytronics for biotronics: unique possibilities of polymers in biosensors and BioMEMS", IEEE Polytronic 2002 Conference, June 23, 2002, pages 211-215	
AA		HEBNER, T.R. et al., "Ink-jet printing of doped polymers for organic light emitting devices", American Institute of Physics, Applied Physics Letters, Vol. 72, no. 5, February 2, 1998, pages 519-521.	X
AA		HWANG J D et al., "A Vertical Submicron Sic thin film transistor", Solid State Electronics, Elsevier Science Publishers, Barking, GB, Bd. 38, NR. 2.1. February 1995 (1995-02-01), Seiten 275-278, XP004014040, ISSN:0038-1101, Abbildung 2	X
AA		IBM Technical Disclosure Bulletin, "Short-Channel Field-Effect Transistor", IBM Corp., New York, US, Bd. 32, Nr. 3A, 1.August 1989 (1989-08-01), Seiten 77-78, XP000049357, ISSN:0018-8689, das ganze Dokument	X
AA		KAWASE, T. et al., "Inkjet Printed Via-Hole Interconnections and Resistors for All-Polymer Transistor Circuits", Advanced Materials 2001, 13, No. 21, November 2, 2001, pp 1601 - 1605.	
AA		KLAUK, H. et al., "Fast Organic Thin Film Transistor Circuits", IEEE Electron Device Letters, Vol. 20, no. 8, pages 289-291	X
AA		KLAUK, H. et al., "Pentacene Thin Film Transistors and Inverter Circuits", 1997 International Electron Devices Meeting Technical Digest, pages 539-542, December 1997	X

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
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Sheet	10		11	Attorney Docket Number	411000-137

AA		KNOBLOCH, A. et al., "Printed Polymer Transistors", Proc. Polytronic, v. 84, 2001, pp. 84-89	X
AA		KOBEL W. et al., "Generation of Micropatterns in Poly (3-Methyl-Thiophene) Films Using Microlithography: A First Step in the Design of an All-Organic Thin-Film Transistor" Synthetic Metals, V. 22, 1988, pp. 265-271.	X
AA		KOEZUKA, H. et al., "Macromolecular Electronic Device", Mol. Cryst. Liq. Cryst. 1994, Vol. 2555, pp. 221-230.	
AA		KUMAR, Anish et al., "Kink-Free Polycrystalline Silicon Double-Gate Elevated-Channel Thin-Film Transistors", IEEE Transactions on Electron Devices, Vol. 45, No. 12, December 1998	X
AA		LIDZEY, D. G. et al., "Photoprocessed and Micropatterned Conjugated Polymer LEDs", Synthetic Metals, V. 82, 1996, pp. 141-148	X
AA		LOWE, J. et al., "Poly (3—(2—Acetoxyethyl)Thiophene): A Model Polymer for Acid-Catalyzed Lithography", Synthetic Metals, Elsevier Sequoia, Lausanne, CH, Bd. 85, 1997, Seiten 1427-1430.	X
AA		LU, Wen et al., "Use of Ionic Liquids for $\pi$ -Conjugated Polymer Electrochemical Devices", Science, Vol 297, 2002, pages 983 – 987/	X
AA		LUCENT TECHNOLOGIES, "Innovation marks significant milestone in the development of electronic paper", Cambridge, MA and Murray Hill, NJ, November 20, 2000. XP-002209726.	X
AA		MANUELLI, Alessandro et al., "Applicability of Coating Techniques for the Production of Organic Field Effect Transistors", IEEE Polytronic 2002 Conference, 2002, pp. 201-204.	X
AA		MIYAMOTO, Shoichi et al., "Effect of LDD Structure and Channel Poly-Si Thinning on a Gate-All-Around TFT (GAT) for SRAM's, IEEE Transactions on Electron Devices. Vol. 46, No. 8, August 1999	X
AA		OELKRUG, D. et al., "Electronic spectra of self-organized oligothiophene films with 'standing' and 'lying' molecular units", Elsevier Science S.A., 1996, Thin Solid Films 284-270	X
AA		QIAO, X. et al., "The FeCl <sub>3</sub> -doped poly(3-alkylthiophenes) in solid state", Elsevier Science, Synthetic Metals 122 (2001) pp 449—454.	
AA		REDECKER, M. et al., "Mobility enhancement through homogeneous nematic alignment of a liquid-crystalline polyfluorene", 1999 American Institute of Physics, Applied Physics Letters, Vol. 74, number 10, pp. 1400-1402.	X
AA		ROGERS J A et al., "Low-Voltage 0.1 $\mu$ m Organic Transistors and Complementary Inverter Circuits Fabricated with a Low-Cost Form of Near-Field Photolithography", Applied Physics Letters, American Institute of Physics. New York, US, Bd. 75, Nr. 7, 16. August 1999 (1999-08-16), Seiten 1010-1012, XP000934355, ISSN: 003-6951, das ganze Dokument	X
AA		ROGERS, J. A. et al., "Printing Process Suitable for Reel-to-Reel Production of High-Performance Organic Transistors and Circuits", Advanced Materials, VCH, Verlagsgesellschaft, Weinheim, DE, Bd. 11, Nr. 9, 5. Juli 1999 (1999-07-05), Seiten 741-745, P000851834, ISSN: 0935-9648, das ganze Dokument	X
AA		ROMAN et al., "POLYMER DIODES WITH HIGH RECTIFICATION", Applied Physics Letters, Vol. 75, No. 21, November 22, 1999	X
AA		ROST, Henning et al., "All-Polymer Organic Field Effect Transistors", Proc. Mat. Week, CD, 2001, pp. 1-6	X
AA		SANDBERG, H. et al., "Ultra-thin Organic Films for Field Effect Transistors", SPIE Vol. 4466, 2001, pp. 35 – 43.	X
AA		SCHOEDEL, "Frequency Conversion with Organic-On-Inorganic Heterostructured Diodes", Extended Abstracts of the International Conference on Solid State Devices and Materials, September 1, 1997	X

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
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AA		SCHRODNER M. ET AL., "Plastic electronics based on Semiconducting Polymers", First International IEEE Conference on Polymers and Adhesives in Microelectronics and Photonics. Incorporating Poly, Pep & Adhesives in Electronics. Proceedings (Cat. No. 01TH8592), First International IEEE Conference on Polymers and Adhesives in Micr, Seiten 91 – 94.	X
AA		SHAHEEN, S.E., et al., "Low band-gap polymeric photovoltaic devices", Synthetic Metals, Vol 121, 2001, pages 1583-1584.	X
AA		TAKASHIMA, W. et al., "Electroplasticity Memory Devices Using Conducting Polymers and Solid Polymer Electrolytes", Polymer International, Melbourne, 1992, pages 249 – 253.	
AA		ULLMAN, A. et al., "High Performance Organic Field-Effect Transistors and Integrated Inverters", Mat. Res. Soc. Symp. Proc., v. 665, 2001, pp. 265-270.	X
AA		VELU, G. et al. "Low Driving Voltages and Memory Effect in Organic Thin-Film Transistors With A Ferroelectric Gate Insulator", Applied Physics Letters, American Institute of Physics, New York, Vol 79, No. 5, 2001, pages 659 – 661.	
AA		WANG, Hsing Lin et al., "Conducting Polymer Blends: Polythiophene and Polypyrrole Blends with Polystyrene and Poly (bisphenol A carbonate), American Chemical Society, 1990 pp. 1053 – 1059.	X
AA		WANG, Yading et al., "Electrically Conductive Semiinterpenetrating Polymer Networks of Poly(3-octylthiophene)", Macromolecules 1992, Vol 25, pages 3284 – 3290.	X
AA		YU, G. et al., "Dual-function semiconducting polymer devices: Light-emitting and photodetecting diodes", American Institute of Physics, Applied Physics Letter 64, March 21, 1994, pages 1540 –1542.	X
AA		ZHENG, Xiang-Yang et al., "Electrochemical Patterning of the Surface of Insulators with Electrically Conductive Polymers", J. Electrochem. Soc., v. 142, 1995, pp L226-L227.	X
Examiner Signature		/Ajay Arora/	Date Considered 08/21/2006

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